

# SMT-190DN SMT-190DP

19" LCD Built-in with DVR, 2 Weather Resistant Cameras,  
2 Night Vision Cameras

## Summary

The SMT-190DN(P) system includes a 19" LCD with built-in DVR features, 2 weather resistant cameras and 2 night vision cameras. It enables 8 Channel video & audio Time-Lapse recording without an external recorder.

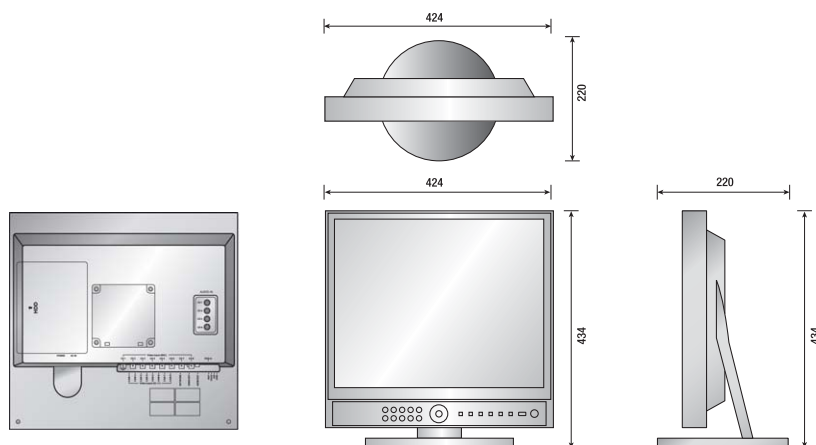


## Features

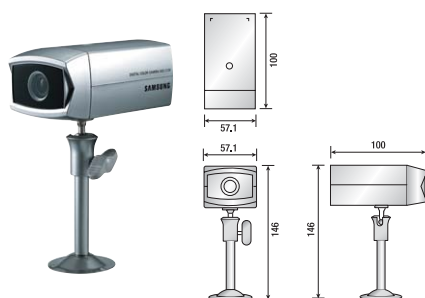
- 19" AML LTM190EX-L31 LCD with 8CH (BNC/RJ-11) Built-in DVR
- 8 Channel Video& Audio Time-Lapse recording capability
- High Picture Quality : MPEG4
- Remote Monitoring and control through Network (LAN)
- Various Recording feature (Normal, Schedule, motion, alarm)
- Various Recording (Normal, Schedule, Motion, Alarm)
- Live viewing/Recording during playback (Triplex)
- Various network environments (TCP/IP, PPPoE, DDNS)

## Dimensions (unit:mm)

19" LCD with Built-in DVR



Weather Resistant Camera : SOC-C120



Night Vision Camera : SOC-N120



Night Vision Camera(Metal) : SOC-N121



## Specifications

Model		SMT-190D(N)(P)	SMT-190DK(P)
Operation System		Linux	
Video	Video System	NTSC/PAL	NTSC
	Video Input	VGA : 1 EA	
		BNC Type : 8 EA	
		DIY Camera(RJ-11) : 8EA	
	Video Output	Composite 1 Channel(CVBS)	
	Display Mode	Single, Multi Screen(4, 9),	
		PIP, Sequence, Freeze,Digital 2X Zoom	
	Display Horizontal Resolution	450 TV LINE (Live full mode)	
	Sequence	Select between 0 sec to 60 sec	
	Event List	Recoder Time, Alarm/Motion, Power, Loss CH	
Audio	Audio Input	Mono 8Channels : CAMERA 8 CH (RJ-11)	
		-For DIY Camera MIC.	
		4 Channel input, RCA Type	
	Audio Output	Mono 1 Channel	
Alarm/Motion	Input	Alarm Inputs(8 cameras )	
	Output	1(Terminal Jack), A/O (HOT, COLD) : Relay Active	
	Alarm Reset	1(Terminal Jack), A/R (Alarm Reset) : Open Collector	
		“L” Level, Pulse Width =150ms or above	
	Pre Alarm	OFF, 1sec, 2sec, 3sec, 4sec, 5sec	
	Duration	5sec ~ 59sec, 1M, 2M ~ 30M	
	Buzzer	Yes	
	Motion Detection	Each CH	
Network	Remote Viewer	Level : High, Normal, Low	
		Multi viewer(Favorite function) -MAX 9 division	
		Use exclusive codec for network transmission	
		-No dependency with the recording condition	
		A/V stream transmit Protocol -TCP/IP	
		Using DDNS server, Dynamic IP connection	
		Live monitoring	
	Compression	Record in remote PC.	
		MPEG4-I	
	Network	Supports 10/100Base-T	
	Network Protocol	TCP/IP, DHCP, PPPoE, DDNS	
	PC Environment	Windows 2000, Windows XP, Windows NT, Windows VISTA	
	Remote Monitoring Speed	Average 2Mbps bandwidth	
	PC Backup	live image recording, Play back by viewer	
	Remote Searching	Date/Time, Event List Search	
	Snap Shot	1 snap image recording	
	Security	Password / User name Protection	
	E-Mail sending	alarm occure e-mail(0.5sec/5image/5recipient)	
	Web Browser	Internet Explorer 5.5 up	
	Remote Function	Single/Quad Display Control, Sequence,	
	Control	Large/Small Display	
	Max Connector	Max 10 person,4 person guarantee	
REC/Play /Searching	Video REC/PB Speed	60ips	
	Video CODEC	MPEG4	
	Audio CODEC	G.723	
	Simplex/Duplex	Duplex	
	Video REC CH Number	8CH Mode	
	Display Speed	7.5ips/CH	
	REC Mode	Time Lapse, Event(Alarm,Motion),	
		Scehdule(Date/Time)	
	Play Speed	-64, -32, -16, -8, -4, -2, 0(Pause), Play,	
		2, 4, 8, 16, 32, 64	
	Recording Capability Time	48 hours(8CH Real time) Time Lapse Mode :	
		Max 1625 hours(8CH MODE)	
	Video Record Resolution	CIF:60ips	
	Search Mode	Recoder Event Search, Alarm/Motion Event Search,	
		Date/Time Search	

Model		SMT-190D(N)(P)	SMT-190DK(P)	
Password	Password	on/off		
Remote Controller	Remote Controller	Yes		
Storage	HDD	250G		
BACK UP	BACK UP	USB 2.0 I/F : Front 1Port - Memory		
CRT Panel	Inch	19" AML LTM190EX-L31		
	Display Type	SXGA a-Si TFT-LCD		
	Resolution (HxV)	1280 X 1024		
	Brightness(cd/m²)	300		
	Contrast	1,000:1		
	Response Time	5msec		
	Viewing Angle Degree	80/80/80/80		
	Active Display Area	376.32mm(H) x 301.056mm(V)		
	Pixel Pitch	0.294mm(H) x 0.294mm(V)		
	Monitor Feature	Scan System	Progressive	
Screen Mode		4:3		
2D Comb Filter		YES		
Noise Reduction		YES		
PIP		YES		
Freeze		YES		
Under Scan		YES		
HAS Stand (Lift/Tilt/Swivel)		0 ~ 100mm / 0°~ 23°/ -175° ~ +175°		
Power		Power	AC120V, 60Hz	
Audio Output		Audio Output	2 W	
Package Composition	Product Composition	Night Vision Camera SOC-N120(P) : 2EA	NONE	
		Weather Resistant CameraSOC-C120(P) : 2EA		
		60 ft Cable		
Environmental Conditions	Operating Temperature	0 °C ~ 40 °C		
	Storage Temperature	-20 °C ~ 60 °C		
	Operating Humidity	20% ~ 85% RH		
	Storage Humidity	20% ~ 95% RH		
Dimensions	Net(mm)	424x220x434(WxDxH)	424x220x434(WxDxH)	
	Package(mm)	517x382x507(WxDxH)	517x262x507(WxDxH)	
Weight	Net(kg)	7.95	7.95	
	Package(kg)	14.75	10.75	